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00/64486

(54) Title: ENZYMATICALLY ACTIVATED POLYMERIC DRUG CONJUGATES

(57) Abstract: The present invention relates to a polymeric drug conjugate with one or more biologically active agents conjugated via an enzymatically cleavable linker to either a regular repeating linear unit comprising a water soluble polymer segment and a multifunctional chemical moiety, or a branched polymer comprising two or more water soluble polymer segments each bound to a common multifunctional chemical moiety, as well as to methods of making such conjugates. The present invention is also directed to pharmaceutical compositions comprising such conjugates and to the use of such conjugates to treat pathological conditions.

INTERNATIONAL SEARCH REPORT

Interr nal Application No PCT/US 00/11670

A. CLASSI IPC 7	FICATION OF SUBJECT MATTER A61K47/48			
According to	o International Patent Classification (IPC) or to both national classif	ication and IPC		
B. FIELDS	SEARCHED			
Minimum do	ocumentation searched (classification system followed by classification $A61K$	ation symbols)		
	tion searched other than minimum documentation to the extent that			
	lata base consulted during the international search (name of data b			
C. DOCUMI	ENTS CONSIDERED TO BE RELEVANT			
Category °	Citation of document, with indication, where appropriate, of the re	elevant passages	Relevant to claim No.	
Y	DATABASE MEDLINE 'Online! US NATIONAL LIBRARY OF MEDICINE BETHESDA, MD, US; CALICETI P ET AL: "Preparation a properties of monomethoxy poly(e glycol) doxorubicin conjugates l an amino acid or a peptide as sp retrieved from STN Database accession no. 94000214 XP002156126 abstract & FARMACO, (1993 JUL) 48 (7) 919	nd thylene inked by acer."	1-89	
X Furth	er documents are listed in the continuation of box C.	X Patent family members are listed	in annex.	
"A" documer consider of filing da "L" documer which is citation "O" documer other m"P" documer	nt which may throw doubts on priority claim(s) or s cited to establish the publication date of another or other special reason (as specified) nt referring to an oral disclosure, use, exhibition or	 'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combined with one or more other such documents, such combination being obvious to a person skilled in the art. '&' document member of the same patent family 		
Date of the a	clual completion of the international search	Date of mailing of the international sea	rch report	
	December 2000	08/01/2001		
Name and m	ailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Fax (431-70) 340-3018	Authorized officer Berte, M		

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INTERNATIONAL SEARCH REPORT

Interr nal Application No
PCT/US 00/11670

		PCT/US 00/11670
C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	NICHIFOR M. ET AL: "Polymeric prodrugs of 5-fluorouracil." JOURNAL OF CONTROLLED RELEASE, (1997) 48/2-3 (165-178)., XP004125853 figures 1-3	1-89
E	WO 00 40203 A (WANG NAI FANG ;LIAO JUN (US); MILSTEIN SAM J (US); SMART JOHN E (U) 13 July 2000 (2000-07-13) claims	1
x	WO 92 16555 A (ENZON INC)	1,20
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,	WO 98 19705 A (SQUIBB BRISTOL MYERS CO) 14 May 1998 (1998-05-14) claims	1-89
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FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Present claims 1-89 relate to an extremely large number of possible compounds and methods. In fact, the claims contain so many options that a lack of clarity (and/or conciseness) within the meaning of Article 6 PCT arises to such an extent as to render a meaningful search of the claims impossible. Consequently, the search has been carried out for those parts of the application which do appear to be clear (and/or concise), namely those compounds and methods recited in the examples and closely related homologous compounds.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

INTERNATIONAL SEARCH REPORT

Information on patent family members

PCT/US 00/11670

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